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SM-SB3030
SERVICE MANUAL

Service Manual

Hi-Fi Speaker System

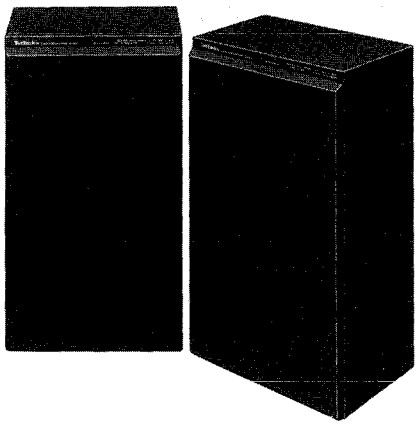
Supplement

SB-3010

[XG], [EH], [Ei]

SB-3010(K)

[XG], [XGB], [EH], [Ei]



SB-3030

[XG], [XGE], [XGF], [XGB], [EH], [Ei]

SB-3030(K)

[XG], [XGB], [XA], [EH], [Ei]

SB-3050

[XG], [XGE], [XGF], [XGB], [EH], [Ei]

SB-3050(K)

[XG], [XGB], [XA], [Ei]

* The colors of the model include wood and black.
* The black type model is provided with (K) in the Service Manual.

Areas

* [XG] is available in European.
* [XGE] is available in United Kingdom.
* [XGF] is available in France.
* [XGB] is available in Belgium.
* [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.
* [EH] is available in Holland.
* [Ei] is available in Italy.

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SB-3010/3030/3050

SB-3010/SB-3010(K)

SPECIFICATIONS

Type:	2 way 2 speaker system
Speakers:	Woofer: 20 cm, cone type Tweeter: 6.5 cm, cone type
Impedance:	8 ohms
Input Power:	50 W, Music 35 W, DIN
Output Sound Pressure Levle:	93 dB/W (1.0 m)
Crossover Frequency:	4,500 Hz
Frequency Range:	70 Hz ~ 20 kHz (–10 dB)
Dimensions:	25.4(W) x 45.2(H) x 19.0(D)cm
Weidht:	4.5 kg

TECHNISCHE DATEN

Typ:	2-Weg-System mit 2 Lautsprechern
Lautsprecher:	Tieftonlautsprecher: 20 cm, Konustyp Hochtonlautsprecher: 6.5 cm, Konustyp
Impedanz:	8 Ohm
Belastbarkeit:	50 Watt Musik 35 Watt DIN
Abgegebener Schalldruckpegel:	93 dB/W (in 1.0 m Abstand)
Überschneidungs-frequenz:	4,500 Hz
Frequenzbereich:	70 Hz ~ 20 kHz (–10 dB)
Abmessungen:	25.4(B) x 45.2(H) x 19.0(T) cm
Gewicht:	4.5kg

SPECIFICATIONS

Type:	2 voies, 2 haut-parleurs
Haut-parleurs:	graves: 20 cm, type à cône aigus: 6.5 cm, type à cône
Impédance:	8 ohms
Entrée maximale:	50 watts, musique 35 watts, DIN
Niveau de pression sonore de sortie:	93 dB/W (1.0 m)
Fréquence de commutation:	4.500 Hz
Gamme de fréquences:	70 Hz ~ 20 kHz (–10 dB)
Dimensions:	25.4(l) x 45.2(H) x 19.0(P)cm
Poids:	4.5 kg

SB-3030/SB-3030(K)

SPECIFICATIONS

Type:	3 way 3 speaker system
Speakers:	Woofer: 20 cm, cone type Tweeter: 6 cm, cone type Super Tweeter: 1.4 cm dome type
Impedance:	8 ohms
Input Power:	75 W, Music 50 W, DIN
Output Sound Pressure Levle:	89 dB/W (1.0 m)
Crossover Frequency:	3,000 Hz, 4,000 Hz
Frequency Range:	45 Hz ~ 20 kHz (–10 dB)
Dimensions:	25.2(W) x 47.5(H) x 24.1(D)cm
Weight:	6.5 kg

TECHNISCHE DATEN

Typ:	3-Weg-System mit 3 Lautsprechern
Lautsprecher:	Tieftonlautsprecher: 20 cm, Konustyp Hochtonlautsprecher: 6 cm, Konustyp Ultrahochtonlautsprecher: 1.4 cm, Kalottentyp
Impedanz:	8 Ohm
Belastbarkeit:	75 Watt Musik 50 Watt DIN
Abgegebener Schalldruckpegel:	89 dB/W (in 1.0 m Abstand)
Überschneidungs-frequenz:	3,000 Hz, 4,000 Hz
Frequenzbereich:	45 Hz ~ 20 kHz (–10 dB)
Abmessungen:	25.2(B) x 47.5(H) x 24.1(T)cm
Gewcht:	6.5kg

SPECIFICATIONS

Type:	3 voies, 3 haut-parleurs
Haut-parleurs:	graves: 20 cm, type à cône aigus: 6 cm, type à cône "Super haut-parleur" aigu: 1.4 cm, type à dôme
Impédance:	8 ohms
Entrée maximale:	75 watts, musique 50 watts, DIN
Niveau de pression sonore de sortie:	98 dB/W (1.0 m)
Fréquence de commutation:	3,000 Hz, 4,000 Hz
Gamme de fréquences:	45 Hz ~ 20 kHz (–10 dB)
Dimensions:	25.2(l) x 47.5(H) x 24.1(P)cm
Poids:	6.5 kg

SB-3050/SB-3050(K)

SPECIFICATIONS

Type:	3 way 3 speaker system
Speakers:	Woofer: 25 cm, cone type Tweeter: 6 cm, cone type Super Tweeter: 1.4 cm dome type
Impedance:	8 ohms
Input Power:	90 W, Music 50 W, DIN
Output Sound Pressure Levle:	89.5 dB/W (1.0 m)
Crossover Frequency:	3,000 Hz 4,000 Hz
Frequency Range:	42 Hz～20 kHz (–10 dB)
Dimensions:	30.2(W) x 55.5(H) x 28.6(D)cm
Weight:	8.5 kg

TECHNISCHE DATEN

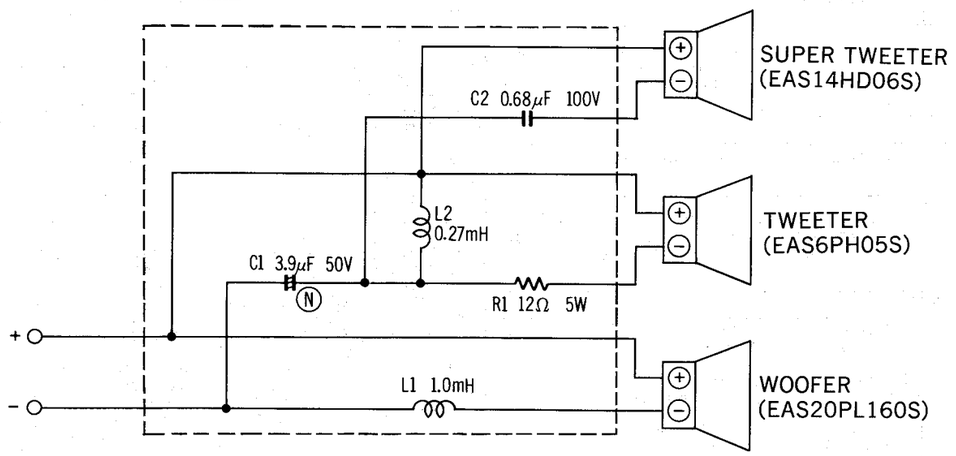
Typ:	3-Weg-System mit 3 Lautsprechern
Lautsprecher:	Tieftonlautsprecher: 25 cm, Konustyp Hochtonlautsprecher: 6 cm, Konustyp Ultrahochtonlautsprecher: 1.4 cm, Kalottentyp
Impedanz:	8 Ohm
Belastbarkeit:	90 Watt Musik 60 Watt DIN
Abgegebener Schalldruckpegel:	89.5 dB/W (in 1.0 m Abstand)
Überschneidungs-frequenz:	3,000 Hz, 4,000 Hz
Frequenzbereich:	42 Hz～20 kHz (–10 dB)
Abmessungen:	30.2(B) x 55.5(H) x 28.6(T)cm
Gewicht:	8.5kg

SPECIFICATIONS

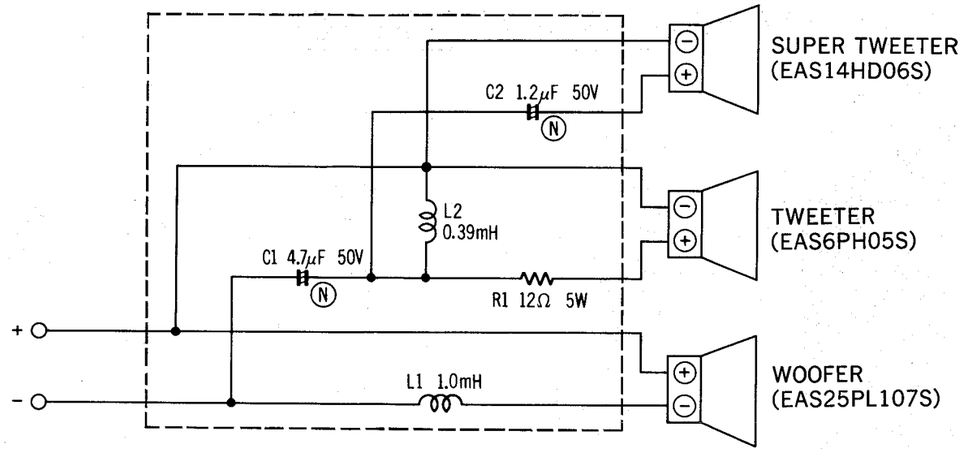
Type:	3 voies, 3 haut-párleurs
Haut-parleurs:	graves: 25 cm, type à cône aigus: 6 cm, type à cône "Super haut-parleur" aigu: 1.4 cm, type à dôme
Impédance:	8 ohms
Entrée maximale:	90 watts, musique 60 watts, DIN
Niveau de pression sonore de sortie:	89.5 dB/W (1.0 m)
Fréquence de commutation:	3,000 Hz, 4,000Hz
Gamme de fréquences:	42 Hz～20 kHz (–10 dB)
Dimensions:	30.2(I) x 55.5(H) x 28.6(P)cm
Poids:	8.5 kg

■ SCHEMATIC DIAGRAM

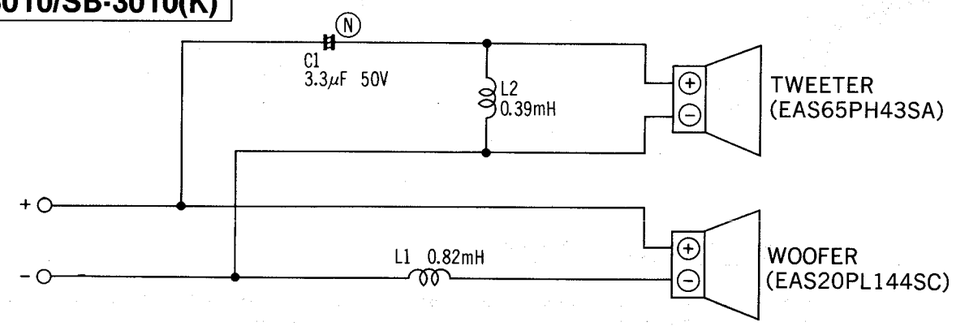
SB-3030/SB-3030(K)



SB-3050/SB-3050(K)

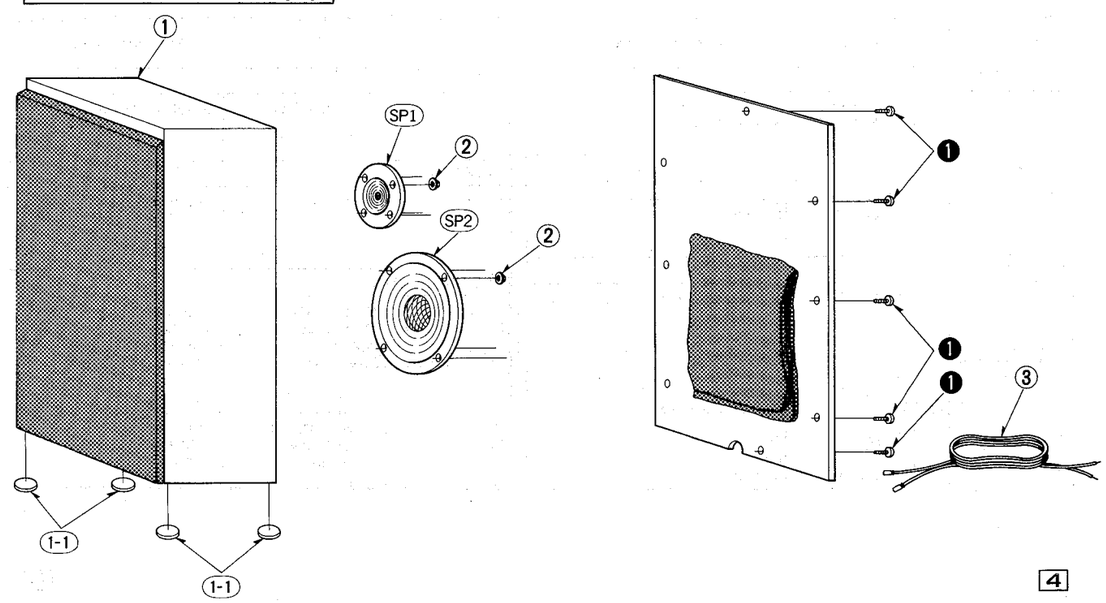


SB-3010/SB-3010(K)



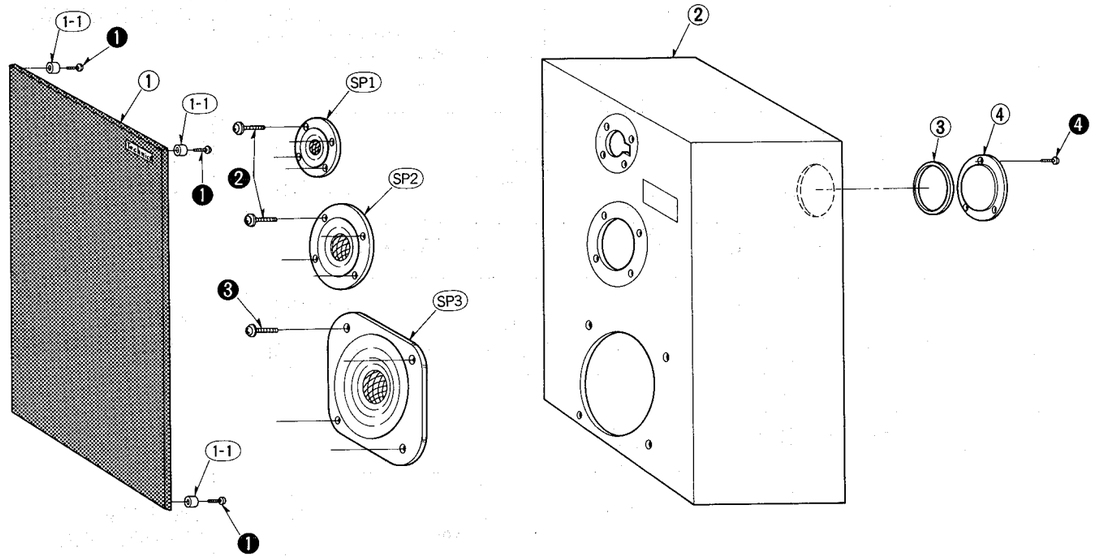
■ EXPLODED VIEW

SB-3010/SB-3010(K)



■ EXPLODED VIEW

SB-3030/SB-3030(K) **SB-3050/SB-3050(K)**



■ REPLACEMENT PARTS LIST

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. Ⓚ-marked parts are used for black type only, while ○-marked parts are for wood type only.
3. Parts other than Ⓚ and ○-marked are used for both black and wood types.
4. Bracketed indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.

SB-3010/SB-3010(K)

Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS65PH43SA	Speaker, Tweeter
SP2		EAS20PL144SC	Speaker, Woofer
COILS			
L1		SLCSA821J	Coil, Choke 0.82mH
L2		SLCSA391J	Coil, Choke 0.39mH
CPAPAITOR			
C1		ECEA50Y3R3K	Non-Polar Electrolytic, 50V, 3.3μF
CABINET PARTS			
1	○	SKAB3010E	Cabinet
1	Ⓚ	SKAB3010E1	Cabinet (Black Type)
1-1		SHS3207	Foot
2		SNE491	Nut
3		SWX295–3	Cord, Speaker

Ref. No.		Part No.	Part Name & Description
SCREW			
❶		XMC31+20FZ	Screw, Rear Plate M'tg
ACCESSORY			
A1		SQFS68	Instructions Book, Printed Matter
PACKING PARTS			
P1 [Ei] only	○	SPGS55–3	Carton Box
P1 [Other Areas]	○	SPGS55–1	Carton Box
P1 [Ei] only	Ⓚ	SPGS55–2	Carton Box (Black Type)
P1 [Other Areas]	Ⓚ	SPGS55	Carton Box (Black Type)
P2		SPSS1019	Pad, Corner
P3		SPSS6067	Pad, Lower
P3-1		SPSS6067–1	Pad, Upper
P4		SPSS6068	Pad, Middle
P5		SPSS12	Soft Sheet

SB-3030/SB-3030(K)

Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS14HD06S	Speaker, Super Tweeter
SP2		EAS6PH05S	Speaker, Tweeter
SP3		EAS20PL160S	Speaker, Woofer
COILS			
L1		SLCSA102J	Coil, Choke 1.0mH
L2		SLCSA271K	Coil, Choke 0.27mH
RESISTOR			
R1		ERF5ZJ120B	Non-Flammable, 5W, 12Ω, ± 5%
CAPACITORS			
C1		ECEA50Y3R9K	Non-Polar Electrolytic, 50V, 3.9μF
C2		ECQE1684KZ	Polyester, 125V, 0.68μF, ± 10%
CABINET PARTS			
1		SYBS39	Grille, Ass'y
1-1		SHG1245–2	Net Catch
2	○	SKAB3030E	Cabinet
2	Ⓚ	SKAB3030E1	Cabinet (Black Type)
3		SHRS9018	Spacer, Terminal
4		SJFS4204–1	Terminal Ass'y, Input

Ref. No.		Part No.	Part Name & Description
SCREWS			
❶		XMS27+13FZ	Screw, Net Catch
❷		XTNSS43+25D1	Screw, Super Tweeter & Tweeter
❸		XTWS43+25D2	Screw, Woofer
❹		XMS31+D13FZ	Screw, Input Terminal
ACCESSORIES			
A1 [XA] only		SQFS114	Instructions Book, Printed Matter
A1 [Other Areas]		SQFS70	Instructions Book, Printed Matter
A2		SWXS214	Cord, Speaker
PACKING PARTS			
P1 [XGF] only	○	SPGS63–2	Carton Box
P1 [Ei] only	○	SPGS63–5	Carton Box
P1 [Other Areas]	○	SPGS63	Carton Box
P1 [XA] only	Ⓚ	SPGS63–4	Carton Box (Black Type)
P1 [Ei] only	Ⓚ	SPGS63–6	Carton Box (Black Type)
P1 [Other Areas]	Ⓚ	SPGS63–1	Carton Box (Black Type)
P2		SPSS6076	Pad, Upper & Lower
P3		SPSS6071	Pad, Middle
P4		SPSS1019	Pad, Corner
P5		SPHS6017	Soft Sheet, Unit
P6		SPHS6016	Soft Sheet, Middle Pad

SB-3050/SB-3050(K)

Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS14HD06S	Speaker, Super Tweeter
SP2		EAS6PH05S	Speaker, Tweeter
SP3		EAS25PL107S	Speaker, Woofer
COILS			
L1		SLCSA102J	Coil, Choke 1.0mH
L2		SLCSA391J	Coil, Choke 0.39mH
RESISTOR			
R1		ERF5ZJ120B	Non-Flammable, 5W, 12Ω, ± 5%
CAPACITORS			
C1		ECEA50Y3R9K	Non-Polar Electrolytic, 50V, 3.9μF
C2		ECQE1684KZ	Polyester, 125V, 0.68μF, ± 10%
CABINET PARTS			
1		SYBS40	Grille
1-1		SHG1245–2	Net Catch
2	○	SKAB3050E	Cabinet
2	Ⓚ	SKAB3050E1	Cabinet (Black Type)
3		SHRS9018	Spacer, Terminal
4		SJFS4204–1	Terminal Ass'y, Input

Ref. No.		Part No.	Part Name & Description
SCREWS			
❶		XMS27+13FZ	Screw, Net Catch
❷		XTNSS43+25D1	Screw, Super Tweeter & Tweeter
❸		XTWS53+25D2	Screw, Woofer
❹		XMS31+D13FZ	Screw, Input Terminal
ACCESSORIES			
A1 [XA] only		SQFS114	Instructions Book, Printed Matter
A1 [Other Areas]		SQFS70	Instructions Book, Printed Matter
A2		SWXS214	Cord, Speaker
PACKING PARTS			
P1 [XGF] only	○	SPGS64–2	Carton Box
P1 [Ei] only	○	SPGS64–6	Carton Box
P1 [XGE] only	○	SPGS64–8	Carton Box
P1 [Other Areas]	○	SPGS64	Carton Box
P1 [XA] only	Ⓚ	SPGS64–5	Carton Box (Black Type)
P1 [Ei] only	Ⓚ	SPGS64–7	Carton Box (Black Type)
P1 [Other Areas]	Ⓚ	SPGS64–1	Carton Box (Black Type)
P2		SPSS6077	Pad, Upper & Lower
P3		SPSS6072	Pad, Middle
P4		SPHS6018	Soft Sheet, Unit
P5		SPSS1019	Pad, Corner
P6		SPHS6016	Soft Sheet, Middle Pad

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